



TECHNICAL DATA SHEET

**RENO LITE CAST 90** is a strong 2800°F insulating castable. Volume stability and low thermal conductivity gives a thermally efficient lining with minimal cracking.

**RENO LITE CAST 90** has a density of 90 pounds per cubic foot.

**SERVICE TEMPERATURE:** 2850°F  
**MATERIAL REQUIRED FOR ESTIMATING:** 87 lbs./cu. ft.  
**CASTING WATER:** 20-28%

**TYPICAL CHEMICAL ANALYSIS** (Calcined Basis)

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	MgO	CaO	Alkalies	Other
54	37	0.8	0.9	0.1	5.1	1	0.6

**TYPICAL PHYSICAL PROPERTIES**

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
275	410	1,185	-0.2
1500	340	874	-0.6
2500	697	1,270	+1.9
2800	---	---	-1.0

**PACKAGING:** 50 lb. Bags, 40 per Pallet (2,000 lbs.)

139600 – 7/19/07

The data presented represents typical average results obtained by testing under ASTM or other acceptable procedures as required. They are subject to normal variations and should not be used for specification purposes.